Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/13/2020 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123397	-2	2.41	123460	2.40
Blue	F	SSC	125000	124177	-1	2.47	124992	2.49
Blue	E	FITC	15892	15342	-4	3.12	336	20.82
Blue	D	PE	29999	29143	-3	2.27	634	15.39
Blue	B	PerCP-Cy5-5	43732	43058	-2	4.00	1159	21.63
Blue	A	PE-Cy7	30845	30789	-1	6.38	587	42.67
Red	C	APC	46112	44963	-3	2.61	1592	12.21
Red	A	APC-Cy7	30458	29864	-2	2.50	786	11.91
Violet	B	V450	7918	7553	-5	4.11	427	13.05
Violet	A	V500	32171	31169	-4	3.89	728	10.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16961	9.97	635	14	N/A	N/A	Pass
Blue	F	SSC	56794	1.74	575	16	N/A	N/A	Pass
Blue	E	FITC	61	65.51	550	7	0.0183	124	Pass
Blue	D	PE	133	51.01	556	8	0.1443	246	Pass
Blue	B	PerCP-Cy5-5	212	53.09	664	8	0.0080	57	Pass
Blue	A	PE-Cy7	107	108.72	708	10	0.0101	22	Pass
Red	C	APC	381	25.02	585	1	0.0239	113	Pass
Red	A	APC-Cy7	172	29.65	558	2	0.0059	1460	Pass
Violet	B	V450	64	57.53	463	5	0.0458	1560	Pass
Violet	A	V500	109	32.80	479	5	0.0225	618	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/13/2020 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.55	-32.06	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.99	13.60 - 20.40	N/A	N/A	29.45	29.88	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10196

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments